

HARMONY MINERAL RESERVES AS @ JUNE 2020

GOLD

OPERATIONS	
Tshepong Operations	
Bambanani	
Masimong	
Joel	
Target 1	
Doornkop SR	
Kusasaletu	
Moab Khotsong	
TOTAL SA U/G OPS	

Proved				Probable				Total Mineral Reserves			
Tonnes(Mt)	g/t	gold (000 kg)	gold (000 oz)	Tonnes(Mt)	g/t	gold (000 kg)	gold (000 oz)	Tonnes(Mt)	g/t	gold (000 kg)	gold (000 oz)
22.2	5.87	130	4 180	4.5	5.48	25	800	26.7	5.80	155	4 980
0.6	10.99	6	207	-	-	-	-	0.6	10.99	6	207
0.8	4.26	3	108	0.02	2.95	0.1	2	0.8	4.23	3	110
2.9	4.85	14	447	1.4	4.68	7	214	4.3	4.80	21	661
3.3	4.31	14	452	1.9	4.23	8	255	5.1	4.28	22	707
5.2	5.33	28	896	4.6	5.03	23	742	9.8	5.19	51	1 638
1.8	6.92	13	410	1.3	7.68	10	320	3.1	7.24	23	730
3.2	7.93	25	808	3.3	8.57	28	909	6.5	8.26	53	1 718
39.9	5.85	234	7 508	17.0	5.92	101	3 242	56.9	5.87	334	10 750

SA SURFACE SOURCES

Kalgold
Phoenix
St Helena
Central
Other : WRD
Tailings
TOTAL
TOTAL SA S/SOURCES(Incl Kalgold)

6.7	0.93	6	201	13.2	1.14	15	482	19.9	1.07	21	683
48.7	0.28	14	442	-	-	-	-	48.7	0.28	14	442
108.6	0.27	29	933	-	-	-	-	108.6	0.27	29	933
-	-	-	-	55.4	0.27	15	476	55.4	0.27	15	476
-	-	-	-	3.5	0.50	2	56	3.5	0.50	2	56
-	-	-	-	565.1	0.22	126	4 058	565.1	0.22	126	4 058
-	-	-	-	568.5	0.23	128	4 114	568.5	0.23	128	4 114
164.0	0.30	49	1 576	637.1	0.25	158	5 072	801.1	0.26	207	6 648

TOTAL SA S/SOURCES (Excl Kalgold)

157.3	0.27	43	1 375	623.9	0.23	143	4 590	781.2	0.24	186	5 965
--------------	-------------	-----------	--------------	--------------	-------------	------------	--------------	--------------	-------------	------------	--------------

TOTAL SA OPS (U/g & Surface) Incl Kalgold

203.9		283	9 084	654.1		259	8 314	858.0		541	17 398
--------------	--	------------	--------------	--------------	--	------------	--------------	--------------	--	------------	---------------

PAPUA NEW GUINEA

Hidden Valley/Kaverol
Hamata
Golpu ¹
TOTAL PAPUA NEW GUINEA

2.3	1.32	3	98	14.2	1.61	23	733	16.5	1.57	26	831
0.0003	2.64	0.001	0.03	0.3	1.65	0.5	16	0.3	1.65	0.5	16
-	-	-	-	200.0	0.86	171	5 500	200.0	0.86	171	5 500
2.3	1.32	3	98	214.5	0.91	195	6 249	216.8	0.91	198	6 347

TOTAL HARMONY MINERAL RESERVES

206.2		286	9 182	868.6		453	14 563	1 074.8		739	23 746
--------------	--	------------	--------------	--------------	--	------------	---------------	----------------	--	------------	---------------

OTHER METALS

PAPUA NEW GUINEA

SILVER	
Hidden Valley	

Tonnes(Mt)	g/t	silver (000 kg)	silver (000oz)	Tonnes(Mt)	g/t	silver (000 kg)	silver (000oz)	Tonnes(Mt)	g/t	silver (000 kg)	silver (000oz)
2.3	27.37	63	2 029	14.2	24.93	352	11 314	16.5	25.18	415	13 343

COPPER	
Golpu ¹	

Tonnes(Mt)	%	Cu (000t)	Cu (Mlb)	Tonnes(Mt)	%	Cu (000t)	Cu (Mlb)	Tonnes(Mt)	%	Cu (000t)	Cu (Mlb)
-	-	-	-	200.0	1.23	2 450	5 400	200	1.23	2 450	5 400

GOLD EQUIVALENTS

SILVER: as gold equivalents	
Hidden Valley	

Tonnes(Mt)	silver (000 kg)	silver (000oz)	Tonnes(Mt)	silver (000 kg)	silver (000oz)	Tonnes(Mt)	silver (000 kg)	silver (000oz)
2.3	1	36	14.2	6	178	16.5	7	214

COPPER: as gold equivalents	
Golpu ¹	

Tonnes(Mt)	Cu (000t)	Cu (Mlb)	Tonnes(Mt)	Cu (000t)	Cu (Mlb)	Tonnes(Mt)	Cu (000t)	Cu (Mlb)
-	-	-	200.0	390	12 538	200.0	390	12 538

Total silver and copper as gold equivalents

2.3	1	36	214.2	396	12 716	216.5	397	12 752
------------	----------	-----------	--------------	------------	---------------	--------------	------------	---------------

Total PNG (including gold equivalents)

2.3	4	134	214.5	590	18 965	216.8	594	19 099
------------	----------	------------	--------------	------------	---------------	--------------	------------	---------------

TOTAL HARMONY MINERAL RESERVES (incl gold equivalents)

Tonnes(Mt)	Gold equivalents (000 kg)	Gold equivalents (000oz)	Tonnes(Mt)	Gold equivalents (000 kg)	Gold equivalents (000oz)	Tonnes(Mt)	Gold equivalents (000 kg)	Gold equivalents (000oz)
206.2	287	9 218	868.6	849	27 279	1 074.8	1 136	36 497

URANIUM

SOUTH AFRICA	
Moab Khotsong Underground	

Proved				Probable				Total Mineral Reserves			
Tonnes(Mt)	kg/t	U3O8 (Mkg)	U3O8 (Mlb)	Tonnes(Mt)	kg/t	U3O8 (Mkg)	U3O8 (Mlb)	Tonnes(Mt)	kg/t	U3O8 (Mkg)	U3O8 (Mlb)
-	-	-	-	6.5	0.23	1	3	6.5	0.23	1	3